

FIG. 1

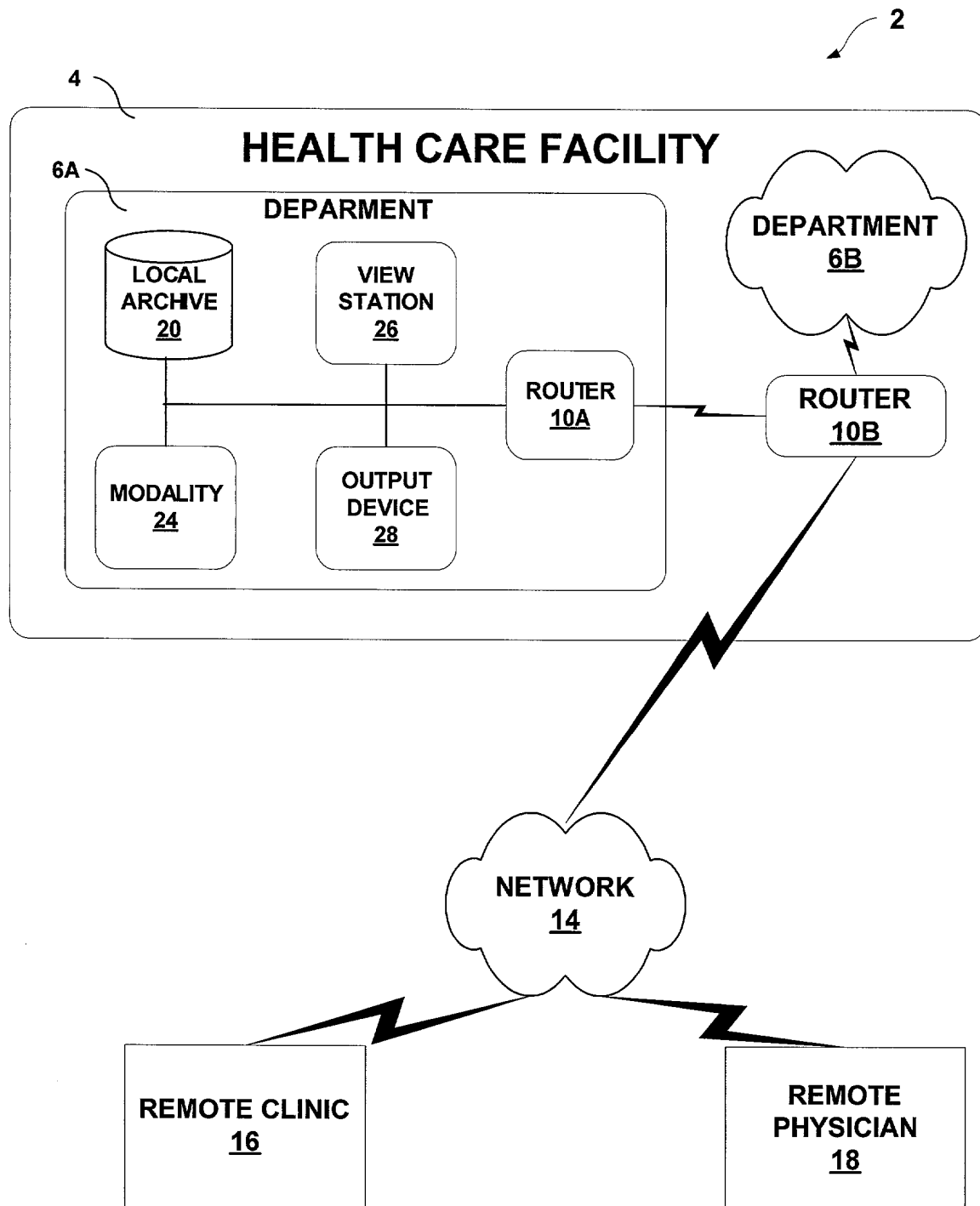


FIG. 2

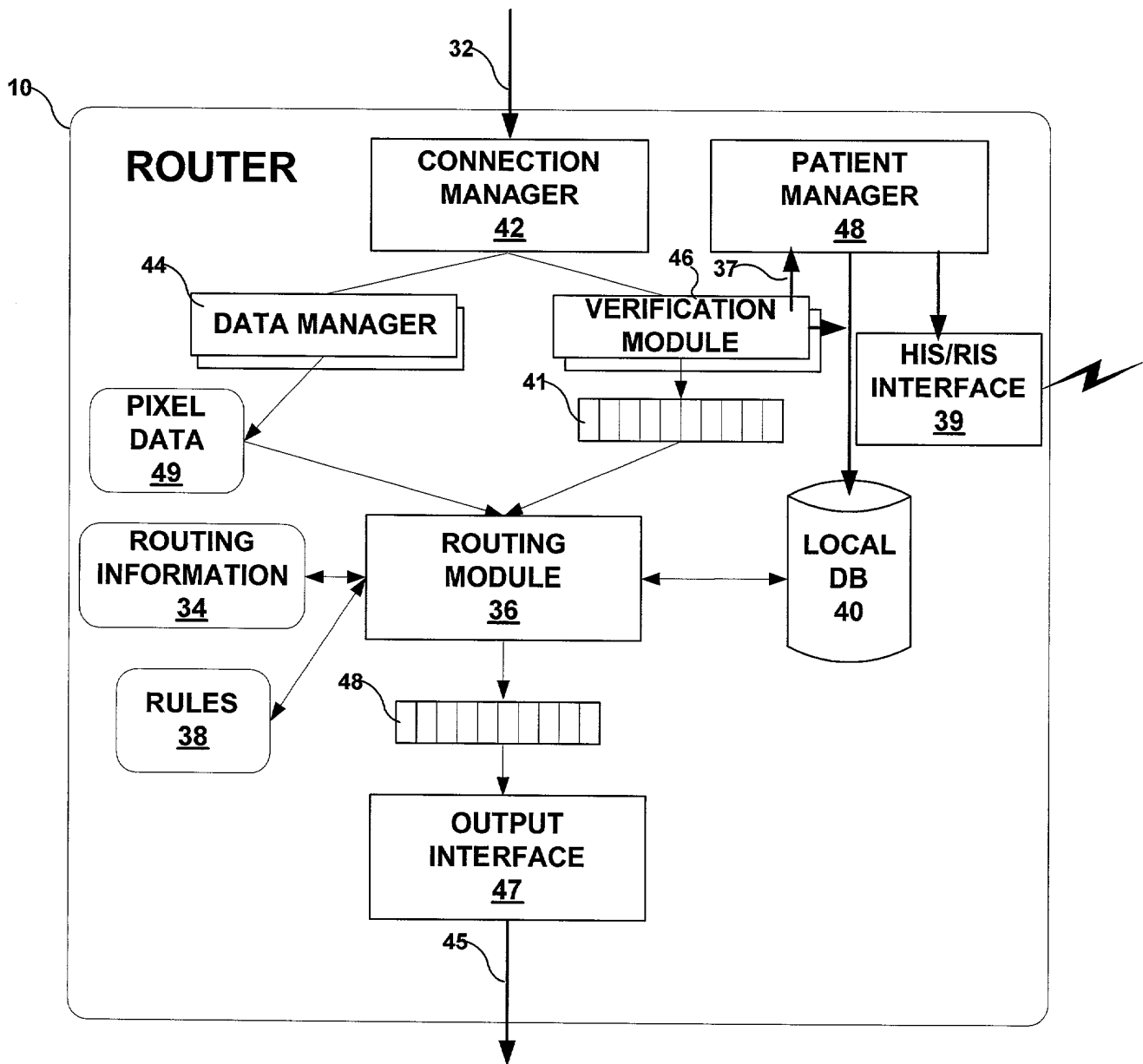


FIG.3

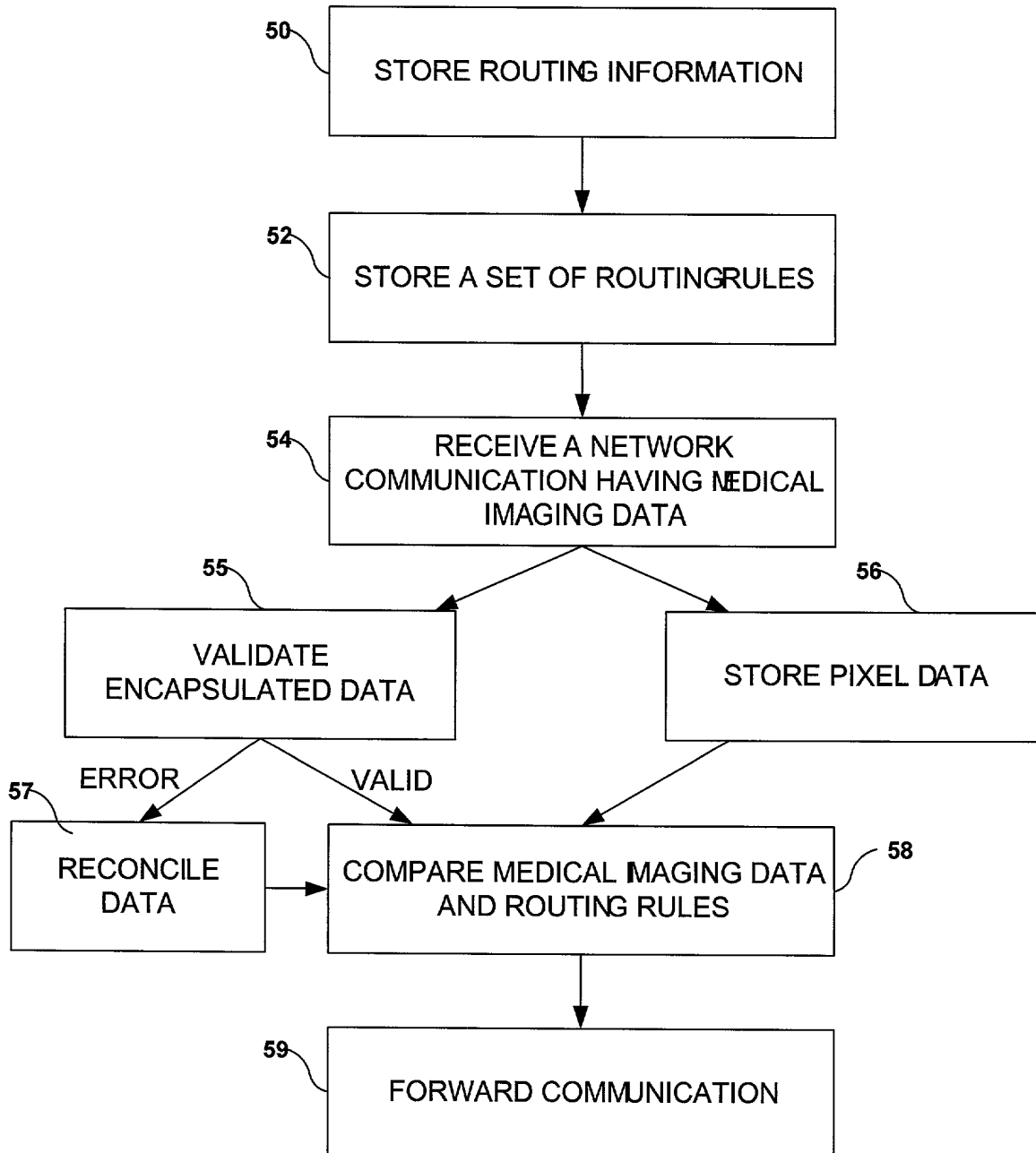


FIG. 4

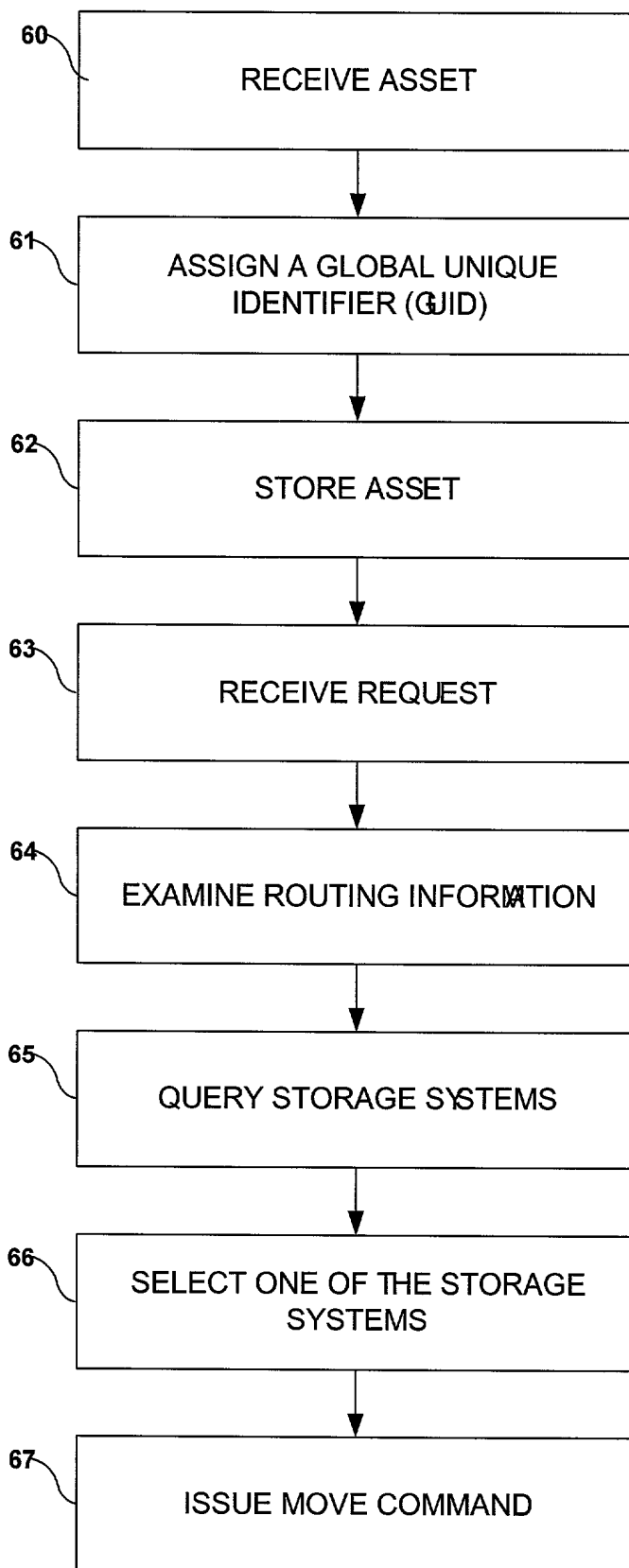


FIG. 5

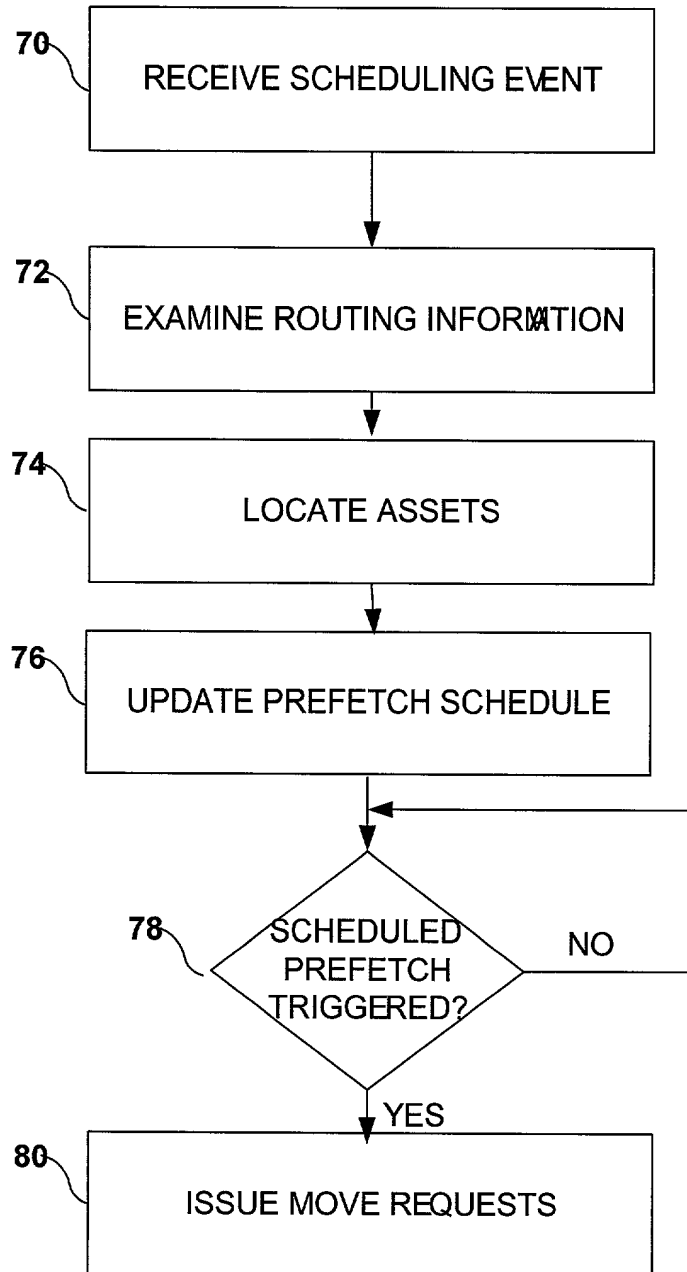


FIG. 6

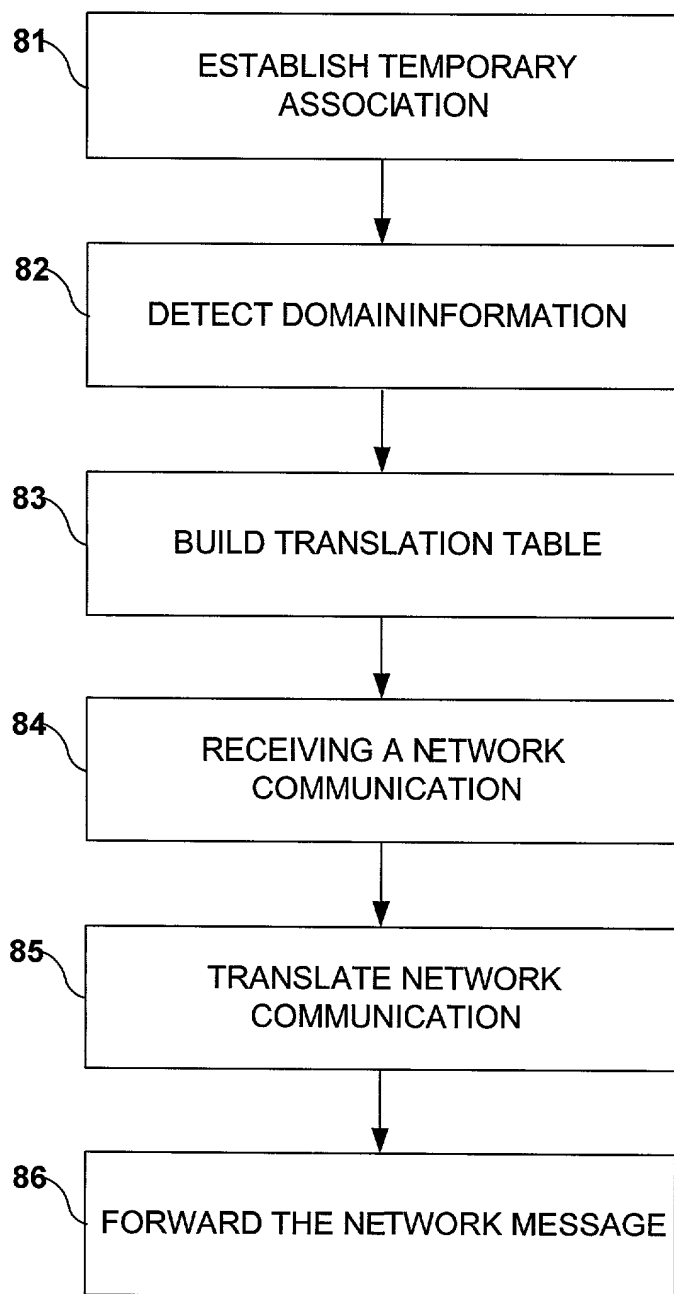


FIG. 7

STORAGE INTERCHANGE FORMAT

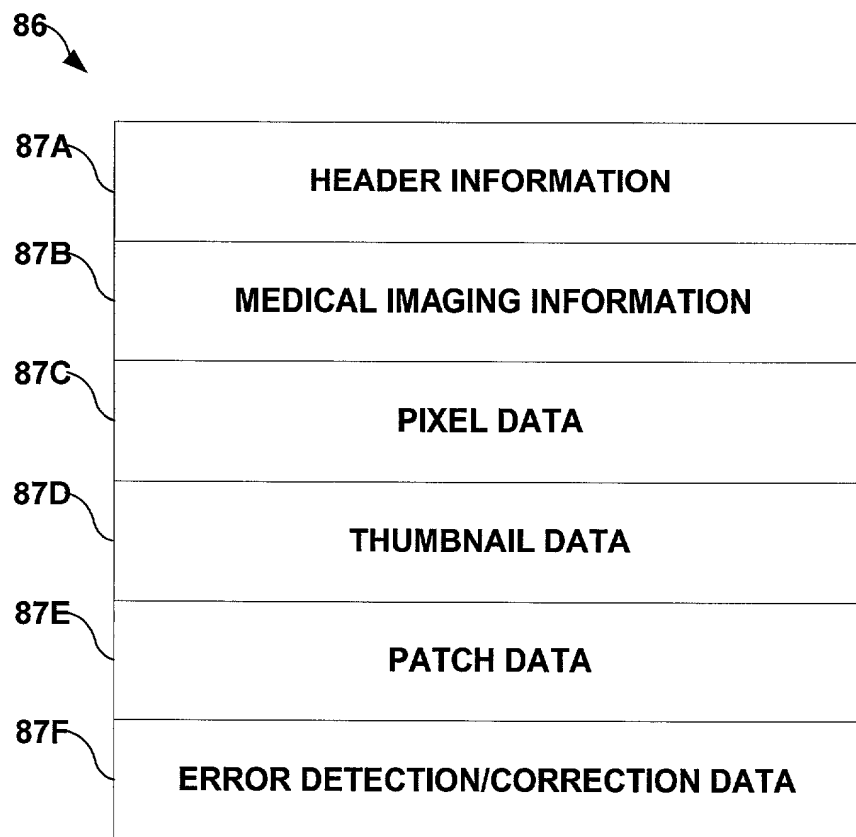


FIG. 8

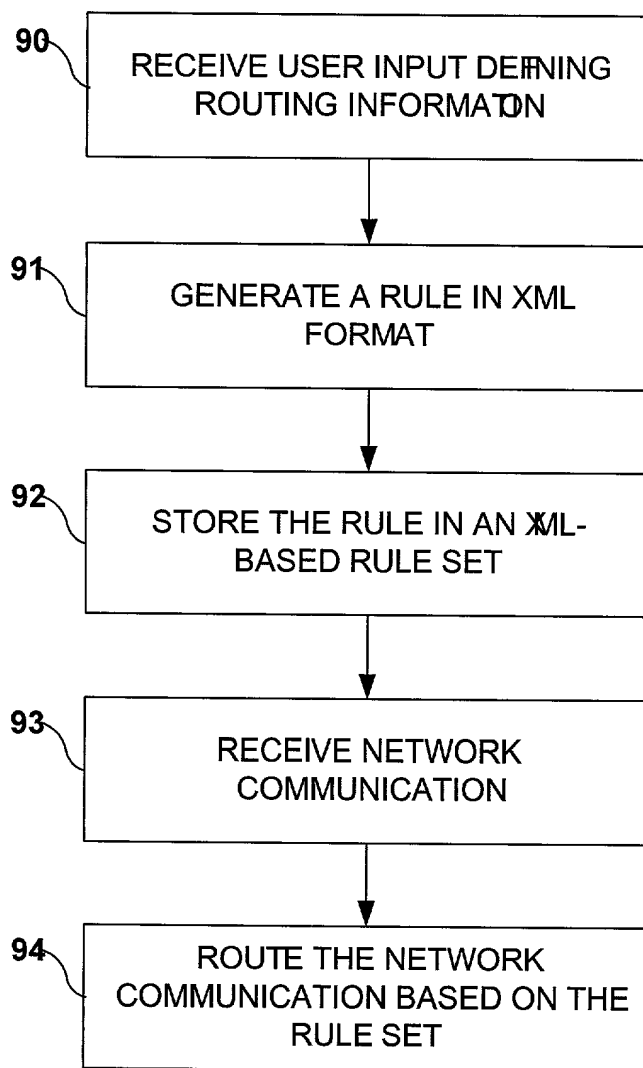


FIG. 9

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Update Tag Rule Properties

Tag Rule: Tag Rule Route Mapping

97 Rule Name: Dr. Gendron

Right click on a tree node to build or modify the rule.

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AcuoRoute Rule Version=1 0

Tag=Current Time<Acuo><Reserved>

between

8:00:00 AM

12:00:00 PM

AND

NOT(Tag=Days of the Week<FFFF><0008>)

=

Thursday

Friday

AND

Tag=Referring Physician<0008><0090>

=

Gendron^Pierre^^

AND

Tag=Modality<0008><0060>

=

CT

MR

AND

External Scu(s)

<Host=10.220.8.106><CallingAENName=STORESCU><UID=1.2.276.0.7230010.3.0.3.4.0><Version=OFFIS_DCM TK_340>

FIG. 10

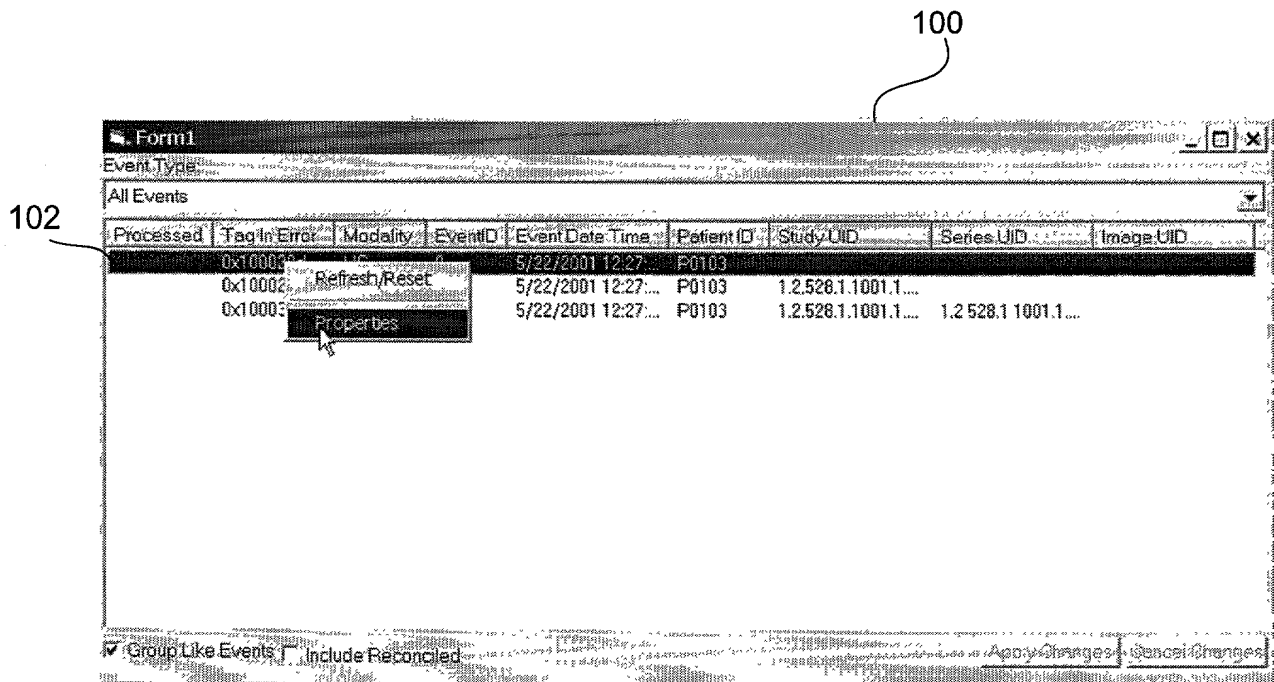


FIG. 11

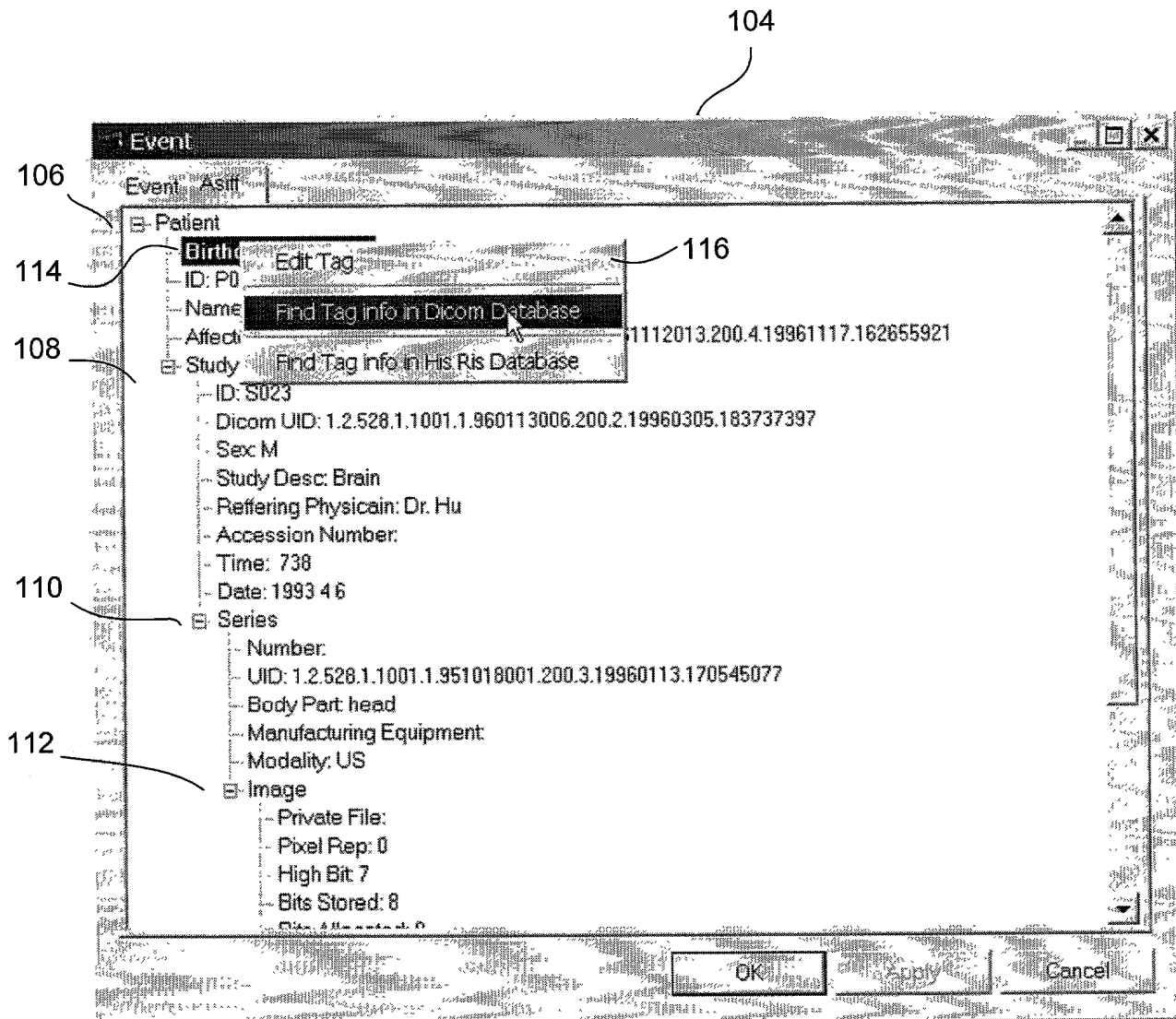


FIG. 12

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Event: Asif

Patient

Birthdate: 1930 9 9

ID: P0104

Name: Christiansson, B.

Affected SOF Instance UID: 1.2.528.1.1001.1.19961112013.200.4.19961117.162655921

Study

ID: S023

Dicom UID: 1.2.528.1.1001.1.960113006.200.2.19960305.183737397

Sex: M

Edit Tag Value

Tag Value: 1930 9 9

OK Cancel

Body Part: head

Manufacturing Equipment

Modality: US

Image

Private File:

Pixel Rep: 0

High Bit: 7

Bits Stored: 8

OK Apply Cancel

122

FIG. 13

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Patient Info [X]

ID: F0104

General Patient Info

Dicom Family Name Complex	Christiansson, Jason B. Dr. M.D.
Prefix	Dr.
First Name	Jason
Middle Name	B.
Last Name	CHRISTIANSSON
Suffix	M.D.
Birth Name	Smith
Birthday	9/9/1990
Birth Time	
Mother's Birth Name	Johnson

Additional Patient Info

Other Patient IDs	R0103
Other Patient Names	John Doe
Medical Alerts	None
Contrast Allergies	Not available
Additional History	
Yes	
Comments	
Test	

OK Cancel

FIG. 14

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The image shows a screenshot of a software window titled "Image Info" with a close button (X) in the top right corner. The window contains a table of DICOM metadata fields. The fields are arranged in two columns. The first column lists the field names, and the second column lists the corresponding values. The fields are: SOP Class UID, SOP Instance UID, Number, Overlay Number, Lut Number, Curve Number, Key Image, Patient Orientation, Time, Date, and Series UID. At the bottom right of the window, there are two buttons: "OK" and "Cancel".

Field	Value
SOP Class UID	1.2.840.10008.5.1.4.1.1.6
SOP Instance UID	1.2.528.1.1001.1.19961.1.2013.200.4.1996
Number	1
Overlay Number	NA
Lut Number	NA
Curve Number	NA
Key Image	0
Patient Orientation	NA
Time	7:38:00 AM
Date	4/6/1993
Series UID	1.2.528.1.1001.1.951018001.200.3.199601

OK Cancel

FIG. 15

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Series Info

Modality	US	Device Serial Number	NA
Number		Software Version	NA
Description	NA	Study UID	1.2-528.1.1001.1.960113006.200.2.1
Operator Identification	NA	DICOM UID	1.2-528.1.1001.1.951018001.200.3.1
Performing Physician	NA	Institution Name	
Secondary Capture Device ID	NA	Study Status ID	
Scheduled Station Name	NA	Manufacturer	
Requested Contrast Bolus Agent	NA	Manufacturer Model Name	NA
Contrast Bolus Agent	NA		
Body Part	head		

OK Cancel

FIG. 16

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Study Info		Patient Info at Time of Study	
DICOM UID:	1.2.528.1.1001.1.9601.1.3008.200.2.19960305.183732	Patient ID:	P0104
ID:	5023	Sex:	M
Time:	7:38:00 AM	Age:	NA
Date:	4/6/1993	Weight:	NA
Referring Physician:	Dr. Hu	Size:	NA
Reading Physician:	NA	Occupation:	NA
Accession Number:		Telephone Number:	NA
Description:	Brain	Address:	NA
Result UID:	NA	Country of Residence:	NA
Reason:	NA		
Modality in Study:	NA		
Admit Diagnosis:	NA		
Interpretation Author:	NA		

OK Cancel

FIG. 17

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Form1

Event Type

All Events

All Events

Image Database Mismatch

Invalid Tag Value Character Set (Image Level)

Invalid Tag Value Character Set (Patient Level)

Invalid Tag Value Character Set (Series Level)

Invalid Tag Value Character Set (Study Level)

Invalid Tag Value Length (Image Level)

Invalid Tag Value Length (Patient Level)

Invalid Tag Value Length (Series Level)

Invalid Tag Value Length (Study Level)

Patient Database Mismatch

Series Database Mismatch

Study Database Mismatch

☒ Group Like Events ☐ Include Reconciled

FIG. 18

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Search Engine

Patient

General Info

ID:

Prefix:

First Name:

Middle Name:

Last Name:

Suffix:

Name Info

☐ Christiansson, Jason

☐ S023 (Brain)

☐ US

☐ 1

☐ 2

☐ 3

☐ 4

☐ 5

☐ 6

☐ 7

☐ 8

☐ 9

☐ 10

☐ 11

☐ 12

☐ 13

☐ 14

Add New Study

Edit Existing Patient

Delete Patient

Merge Patient

View Patient

Search Advanced

Ok Cancel

FIG. 19

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08002000	(0008,0020): Study Date. Decimal Tag: (0008,0032)
08000000	Tag Length: 8
3139393431323236	Tag Data: 19941226
08003000	(0008,0030): Study Time. Decimal Tag: (0008,0048)
0c000000	Tag Length: 12
3030303030302e3030303020	Tag Data: 000000.0000
08006000	(0008,0060): Modality. Decimal Tag: (0008,0096)
02000000	Tag Length: 2
4d52	Tag Data: MR
08007000	(0008,0070): Manufacturer. Decimal Tag: (0008,0112)
18000000	Tag Length: 24
5068696c697073204d65646963616c20	Tag Data: Philips Medical
53797374656d7320	Tag Data: Systems
08008000	(0008,0080): Institution Name. Decimal Tag:
(0008,0128)	
10000000	Tag Length: 16
444f4149204d454d4f5249414c204850	Tag Data: DOAI MEMORIAL HP
08003010	(0008,1030): Study Description. Decimal Tag:
(0008,4144)	
08000000	Tag Length: 8
432d5350494e4520	Tag Data: C-SPINE
10001000	(0010,0010): Patient's Name. Decimal Tag: (0016,0016)
12000000	Tag Length: 18
4d522f43205350494e452f5453452f32	Tag Data: MR/C SPINE/TSE/2
3536	Tag Data: 56
10003000	(0010,0030): Patient's Birth Date. Decimal Tag:
(0016,0048)	
08000000	Tag Length: 8
3139363430373331	Tag Data: 19640731
10004000	(0010,0040): Patient's Sex. Decimal Tag: (0016,0064)
02000000	Tag Length: 2
4d20	Tag Data: M

FIG. 20